

PATENT
ATTORNEY DOCKET NO. 00786/405004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Denise Faustman	Confirmation No.:	1752
Serial No.:	10/577,891	Art Unit:	1644
Filed:	December 14, 2006	Examiner:	Michail A. Belyavskyi
Customer No.:	21559		
Title:	METHODS OF ORGAN REGENERATION		

INFORMATION DISCLOSURE STATEMENT

Applicant submits the references listed on the enclosed Form PTO-1449, copies of which are enclosed, with the exception of U.S. patents and U.S. patent application publications. Copies of search reports from corresponding international applications are also enclosed.

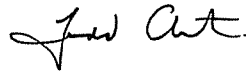
Submission of this statement is not a representation that a search has been made, nor is the inclusion of information in this statement an admission that the information is material to patentability.

This statement is being filed before the receipt of a first Office action on the merits.

If there are any other charges or any credits, please apply them to Deposit Account

No. 03-2095.

Respectfully submitted,



TODD ARMSTRONG, Ph.D.,
Reg. No. 54,590

Date: 10 June 2007

For Paul T. Clark
Reg. No. 30,162

Clark & Elbing LLP
101 Federal Street
Boston, MA 02110
Telephone: 617-428-0200
Facsimile: 617-428-7045

SUBSTITUTE FORM PTO-1449 (MODIFIED) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 C.F.R. § 1.98(b))	Attorney Docket No.	00786/405004
	Serial No.	10/577,891
	Applicant	Denise Faustman
	Filing Date	December 14, 2006
	Group	1644
	IDS Filed	July 2, 2007

U.S. PATENT DOCUMENTS			
Examiner's Initials	Document Number	Publication Date	Patentee or Applicant
	4,309,418	01/05/1982	Green
	4,457,916	07/03/1984	Hayashi et al.
	4,495,282	01/22/1985	Ohnishi et al.
	4,677,063	06/30/1987	Mark et al.
	4,677,064	06/30/1987	Mark et al.
	4,681,760	07/21/1987	Fathman
	4,791,101	12/13/1988	Adolf
	4,816,567	03/28/1989	Cabilly et al.
	4,879,226	11/07/1989	Wallace et al.
	4,963,354	10/16/1990	Shepard et al.
	4,985,241	01/15/1991	Zimmerman et al.
	5,002,876	03/26/1991	Sreekrishna et al.
	5,059,530	10/22/1991	Oshima et al.
	5,139,481	08/18/1992	Faustman et al.
	5,215,743	06/01/1993	Singh et al.
	5,283,058	02/01/1994	Faustman
	5,288,852	02/22/1994	Yamada et al.
	5,487,984	01/30/1996	Allet et al.
	5,538,854	07/23/1996	Faustman
	5,560,908	10/01/1996	Sato et al.
	5,593,698	01/14/1997	Weiner et al.

EXAMINER	DATE CONSIDERED
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /MB/

SUBSTITUTE FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (MODIFIED) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 C.F.R. § 1.98(b))	Attorney Docket No.	00786/405004
	Serial No.	10/577,891
	Applicant	Denise Faustman
	Filing Date	December 14, 2006
	Group	1644
	IDS Filed	July 2, 2007

U.S. PATENT DOCUMENTS			
	5,783,216	07/21/1998	Faustman
	5,821,337	10/13/1998	Carter et al.
	5,843,425	12/01/1998	Sachs et al.
	5,843,452	12/01/1998	Wiedmann et al.
	5,874,306	02/23/1999	Beattie et al.
	6,056,952	05/02/2000	Rosenberg
	6,284,879	09/04/2001	Faustman
	6,414,218	07/02/2002	Faustman et al.
	6,491,908	12/10/2002	Rosenberg
	6,599,710	07/29/2003	Faustman
	6,617,171	09/09/2003	Faustman et al.
	6,660,487	12/09/2003	Faustman
	6,773,705	08/10/2004	Faustman et al.
	6,844,011	01/18/2005	Faustman
	6,866,843	03/15/2005	Habener et al.
	6,923,959	08/02/2005	Habener et al.
	6,984,380	01/10/2006	Faustman
	2002/0106689	08/08/2002	Faustman et al.
	2002/0123472	09/05/2002	Faustman
	2003/0005469	01/02/2003	Faustman et al.
	2003/0031657	02/13/2003	Habener et al.
	2004/0028658	02/12/2004	Faustman
	2004/0031066	02/12/2004	Faustman et al.

EXAMINER	DATE CONSIDERED
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /MB/

SUBSTITUTE FORM PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Attorney Docket No.	00786/405004
		Serial No.	10/577,891
		Applicant	Denise Faustman
		Filing Date	December 14, 2006
		Group	1644
		IDS Filed	July 2, 2007
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)			
(37 C.F.R. § 1.98(b))			

U.S. PATENT DOCUMENTS			
	2004/0229785	11/18/2004	Faustman
	2005/0158302	07/21/05	Faustman et al.
	2005/0158288	07/21/05	Faustman
	2005/0244386	11/03/05	Habener et al.
	2006/0062769	03/23/2006	Habener et al.
	2007/0116688	05/24/2007	Faustman

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION				
Examiner's Initials	Document Number	Publication Date	Country or Patent Office	Translation (Yes/No)
	WO 95/24914	09/21/1995	WIPO	
	WO 95/25533	09/28/1995	WIPO	
	WO 97/08328	03/06/1997	WIPO	
	WO 00/53209	9/14/2000	WIPO	

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)	
	Aldrich et al., "Positive Selection of Self- and Alloreactive CD8 ⁺ T Cells in <i>Tap-1</i> Mutant Mice," <i>Proc. Natl. Acad. Sci. USA</i> 91:6525-6528 (1994).
	Alison et al., "Hepatocytes from Non-Hepatic Adult Stem Cells," <i>Nature</i> 406:257 (2000).
	Allen et al., "Effect of Bacillus Calmette-Guerin Vaccination on New-Onset Type 1 Diabetes," <i>Diabetes Care</i> 22:1703-1707 (1999).
	Altomonte et al., "Serum Levels of Interleukin-1b, Tumour Necrosis Factor-a and Interleukin-2 in Rheumatoid Arthritis. Correlation with Disease Activity," <i>Clin. Rheumatol.</i> 11:202-205 (1992).
	Anderson et al., "Can Stem Cells Cross Lineage Boundaries?" <i>Nat. Med.</i> 7:393-395 (2001).

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /MB/

SUBSTITUTE FORM PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Attorney Docket No.	00786/405004
		Serial No.	10/577,891
		Applicant	Denise Faustman
		Filing Date	December 14, 2006
		Group	1644
		IDS Filed	July 2, 2007
<p style="text-align: center;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)</p>			
(37 C.F.R. § 1.98(b))			

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)	
	Anderson et al., "Studies on the Cytophilic Properties of Human β_2 Microglobulin," <i>J. Immunol.</i> 114:997-1000 (1975).
	Aristarkhov et al., "E2-C, a Cyclin-Selective Ubiquitin Carrier Protein Required for the Destruction of Mitotic Cyclins," <i>Proc. Natl. Acad. Sci. USA</i> 93:4294-4299 (1996).
	Ashton-Rickardt et al., "Evidence for a Differential Avidity Model of T Cell Selection in the Thymus," <i>Cell</i> 76:651-663 (1994).
	Ashton-Rickardt et al., "Peptide Contributes to the Specificity of Positive Selection of CD8 ⁺ T Cells in the Thymus," <i>Cell</i> 73:1041-1049 (1993).
	Atkinson et al., "The NOD Mouse Model of Type 1 Diabetes: As Good as it Gets?" <i>Nat. Med.</i> 5:601-604 (1999).
	Baeuerle and Baltimore, "NF- κ B: Ten Years After," <i>Cell</i> 87:13-20 (1996).
	Baeza et al., "Pancreatic Regenerating Gene Overexpression in the Nonobese Diabetic Mouse During Active Diabetogenesis," <i>Diabetes</i> 45:67-70 (1996).
	Baeza et al., "Reg Protein: A Potential Beta-Cell-Specific Growth Factor?" <i>Diabetes Metab.</i> 22:229-234 (1996).
	Baeza et al., "Specific Reg II Gene Overexpression in the Non-Obese Diabetic Mouse Pancreas During Active Diabetogenesis," <i>FEBS Letters</i> 416:364-368 (1997).
	Baldwin, "The NF- κ B and I κ B Proteins: New Discoveries and Insights," <i>Ann. Rev. Immunol.</i> 14:649-683 (1996).
	Barres, "A New Role for Glia: Generation of Neurons!" <i>Cell</i> 97:667-670 (1999).
	Beg et al., "An Essential Role for NF- κ B in Preventing TNF α -Induced Cell Death," <i>Science</i> 274:782-784 (1996).
	Bendelac et al., "Syngeneic Transfer of Autoimmune Diabetes from Diabetic NOD Mice to Healthy Neonates," <i>J. Exp. Med.</i> 166:823-832 (1987).
	Bernabeu et al., " β_2 -Microglobulin from Serum Associates with MHC Class I Antigens on the Surface of Cultured Cells," <i>Nature</i> 308:642-645 (1984).
	Bjornson et al., "Turning Brain into Blood: A Hematopoietic Fate Adopted by Adult Neural Stem Cells <i>In Vitro</i> ," <i>Science</i> 283:534-537 (1999).
	Brayer et al., "Alleles from Chromosomes 1 and 3 of NOD Mice Combine to Influence Sjögren's Syndrome-Like Autoimmune Exocrinopathy," <i>J. Rheumatol.</i> 27:1896-1904 (2000).

EXAMINER	DATE CONSIDERED
<p>EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.</p>	

~~ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH.~~ /MB/

SUBSTITUTE FORM PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Attorney Docket No.	00786/405004
		Serial No.	10/577,891
		Applicant	Denise Faustman
		Filing Date	December 14, 2006
		Group	1644
		IDS Filed	July 2, 2007
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)			
(37 C.F.R. § 1.98(b))			

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)	
	Brazelton et al., "From Marrow to Brain: Expression of Neuronal Phenotypes in Adult Mice," <i>Science</i> 290:1775-1779 (2000).
	Brod et al., "Ingested Interferon α Suppresses Type I Diabetes in Non-Obese Diabetic Mice," <i>Diabetologia</i> 41: 1227-1232 (1998).
	Bunting et al., "Enforced P-glycoprotein Pump Function in Murine Bone Marrow Cells Results in Expansion of Side Population Stem Cells In Vitro and Repopulating Cells In Vivo," <i>Blood</i> 96:902-909 (2000).
	Chatenoud et al., "CD3 Antibody-Induced Dominant Self Tolerance in Overtly Diabetic NOD Mice," <i>J. Immunol.</i> 158:2947-2954 (1997).
	Colucci et al., "Programmed Cell Death in the Pathogenesis of Murine IDDM: Resistance to Apoptosis Induced in Lymphocytes by Cyclophosphamide," <i>J. Autoimmunity</i> 9:271-276 (1996).
	Corbett et al., "Nitric Oxide Mediates Cytokine-Induced Inhibition of Insulin Secretion by Human Islets of Langerhans" <i>Proc. Natl. Acad. Sci. USA</i> 90:1731-1735 (1993).
	Coux et al., "Enzymes Catalyzing Ubiquitination and Proteolytic Processing of the p105 Precursor of Nuclear Factor κ B1," <i>J. Biol. Chem.</i> 273:8820-8828 (1998).
	Dilts et al., "Autoimmune Diabetes: The Involvement of Benign and Malignant Autoimmunity," <i>J. Autoimmun.</i> 12:229-232 (1999).
	Driscoll et al., "The Proteasome (Multicatalytic Protease) is a Component of the 1500-kDa Proteolytic Complex Which Degrades Ubiquitin-Conjugated Proteins," <i>J. Biol. Chem.</i> 265:4789-4792 (1990).
	Eglitis et al., "Hematopoietic Cells Differentiate into Both Microglia and Macrogia in the Brains of Adult Mice," <i>Proc. Natl. Acad. Sci. USA</i> 94:4080-4085 (1997).
	Eytan et al., "ATP-Dependent Incorporation of 20S Protease into the 26S Complex that Degrades Proteins Conjugated to Ubiquitin," <i>Proc. Natl. Acad. Sci. USA</i> 86:7751-7755 (1989).
	Fan et al., "Generation of p50 Subunit of NF- κ B by Processing of p105 Through an ATP-Dependent Pathway," <i>Nature</i> 354:395-398 (1991).
	Faustman et al., "Abnormal T-Lymphocyte Subsets in Type I Diabetes," <i>Diabetes</i> 38:1462-1468 (1989).
	Faustman et al., "Linkage of Faulty Major Histocompatibility Complex Class I to Autoimmune Diabetes," <i>Science</i> 254:1756-1761 (1991).
	Faustman et al., "Murine Pancreatic β -Cells Express H-2K and H-2D but not Ia Antigens," <i>J. Exp. Med.</i> 151:1563-1568 (1980).

EXAMINER	DATE CONSIDERED
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /MB/

SUBSTITUTE FORM PTO-1449 (MODIFIED) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 C.F.R. § 1.98(b))	Attorney Docket No.	00786/405004
	Serial No.	10/577,891
	Applicant	Denise Faustman
	Filing Date	December 14, 2006
	Group	1644
	IDS Filed	July 2, 2007

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)	
	Faustman et al., "Prevention of Xenograft Rejection by Masking Donor HLA Class I Antigens," <i>Science</i> 252:1700-1702 (1991).
	Faustman et al., "T-Lymphocyte Changes Linked to Autoantibodies. Association of Insulin Autoantibodies with CD4+CD45R ⁺ Lymphocyte Subpopulation in Prediabetic Subjects," <i>Diabetes</i> 40:590-597 (1991).
	Feldman et al., "Anti-TNF α Therapy is Useful in Rheumatoid Arthritis and Crohn's Disease: Analysis of the Mechanism of Action Predicts Utility in Other Diseases," <i>Transplant. Proc.</i> 30:4126-4127 (1998).
	Foulis, "C.L. Oakley Lecture (1987). The Pathogenesis of Beta Cell Destruction in Type I (Insulin-Dependent) Diabetes Mellitus," <i>J. Pathol.</i> 152:141-148 (1987).
	Fu et al., "Antigen Processing and Autoimmunity: Evaluation of mRNA Abundance and Function of HLA-Linked Genes," <i>Ann. NY Acad. Sci.</i> 842:138-155 (1998).
	Fu et al., "Defective Major Histocompatibility Complex Class I Expression on Lymphoid Cells in Autoimmunity," <i>J. Clin. Invest.</i> 91:2301-2307 (1993).
	Gage, "Mammalian Neural Stem Cells," <i>Science</i> 287:1433-1438 (2000).
	Gage et al., "Multipotent Progenitor Cells in the Adult Dentate Gyrus," <i>J. Neurobiol.</i> 36:249-266 (1998).
	Ganoth et al., "A Multicomponent System that Degrades Proteins Conjugated to Ubiquitin. Resolution of Factors and Evidence for ATP-Dependent Complex Formation," <i>J. Biol. Chem.</i> 263:12412-12419 (1988).
	Gaur et al., "Induction of Islet Allotolerance in Nonhuman Primates," <i>Ann. NY Acad. Sci.</i> 958:199-203 (2002).
	Gazda et al., "Diabetes Results from a Late Change in the Autoimmune Response of NOD Mice," <i>J. Autoimmun.</i> 10:261-270 (1997).
	Ghosh et al., "Activation <i>In Vitro</i> of NF- κ B by Phosphorylation of its Inhibitor I κ B," <i>Nature</i> 344:678-682 (1990).
	Glas et al., "The CD8 ⁺ T Cell Repertoire in β_2 -Microglobulin-Deficient Mice Is Biased towards Reactivity Against Self-Major Histocompatibility Class I," <i>J. Exp. Med.</i> 179:661-672 (1994).
	Goldberg, "Functions of the Proteasome: The Lysis at the End of the Tunnel," <i>Science</i> 268:522-523 (1995).
	Graves et al., "Lack of Association Between Early Childhood Immunizations and β -Cell Autoimmunity," <i>Diabetes Care</i> 22:1694-1697 (1999).

EXAMINER	DATE CONSIDERED
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /MB/

SUBSTITUTE FORM PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Attorney Docket No.	00786/405004
		Serial No.	10/577,891
		Applicant	Denise Faustman
		Filing Date	December 14, 2006
		Group	1644
		IDS Filed	July 2, 2007
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)			
(37 C.F.R. § 1.98(b))			

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)	
	Gronostajski et al., "The ATP Dependence of the Degradation of Short- and Long-lived Proteins in Growing Fibroblasts," <i>J. Bio. Chem.</i> 260:3344-3349 (1985).
	Gueckel et al., "Mutations in the Yeast Proteasome B-Type Subunit Pre3 Uncover Position-Dependent Effects on Proteasomal Peptidase Activity and <i>In Vivo</i> Function," <i>J. Biol. Chem.</i> 273:19443-19452 (1998).
	Haas and Siepmann, "Pathways of Ubiquitin Conjugation," <i>FASEB J.</i> 11:1257-1268 (1997).
	Hao et al., "Effect of Mycophenolate Mofetil on Islet Allografting to Chemically Induced or Spontaneously Diabetic Animals," <i>Transplant. Proc.</i> 24:2843-2844 (1992).
	Hayashi et al., "Essential Role of Human Leukocyte Antigen-Encoded Proteasome Subunits in NF- κ B Activation and Prevention of Tumor Necrosis Factor- α -Induced Apoptosis," <i>J. Biol. Chem.</i> 275:5238-5247 (2000).
	Hayashi et al., "NOD Mice are Defective in Proteasome Production and Activation of NF- κ B," <i>Mol. Cell. Bio.</i> 19: 8646-8659 (1999).
	Hester et al., "Studies on the Cytophilic Properties of Human β 2-Microglobulin. II. The Role of Histocompatibility Antigens," <i>Scand. J. Immunol.</i> 9:125-134 (1979).
	Hsu et al., "TRADD-TRAF2 and TRADD-FADD Interactions Define Two Distinct TNF Receptor 1 Signal Transduction Pathways," <i>Cell</i> 84:299-308 (1996).
	Hyafil and Strominger, "Dissociation and Exchange of the β 2-Microglobulin Subunit of HLA-A and HLA-B Antigens," <i>Proc. Natl. Acad. Sci. USA</i> 76:5834-5838 (1979).
	Jackson et al., "Hematopoietic Potential of Stem Cells Isolated from Murine Skeletal Muscle," <i>Proc. Natl. Acad. Sci. USA</i> 96:14482-14486 (1999).
	Jacob et al., "Monoclonal Anti-Tumor Necrosis Factor Antibody Renders Non-Obese Diabetic Mice Hypersensitive to Irradiation and Enhances Insulinitis Development," <i>Int. Immunology</i> 4:611-614 (1992).
	Jacob et al., "Prevention of Diabetes in Nonobese Diabetic Mice by Tumor Necrosis Factor (TNF): Similarities Between TNF- α and Interleukin 1," <i>Proc. Natl. Acad. Sci. USA</i> 87:968-972 (1990).
	Jacob et al., "Tumour Necrosis Factor- α in Murine Autoimmune 'Lupus' Nephritis," <i>Nature</i> 331:356-358 (1988).
	Jakubowski et al., "Phase I Trial of Intramuscularly Administered Tumor Necrosis Factor in Patients with Advanced Cancer," <i>J. Clin. Oncol.</i> 7:298-303 (1989).
	Jiang et al., "Pluripotency of Mesenchymal Stem Cells Derived from Adult Marrow," <i>Nature</i> 418:41-49 (2002).

EXAMINER	DATE CONSIDERED
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /MB/

SUBSTITUTE FORM PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Attorney Docket No.	00786/405004
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Serial No.	10/577,891
		Applicant	Denise Faustman
		Filing Date	December 14, 2006
		Group	1644
		IDS Filed	July 2, 2007
(37 C.F.R. § 1.98(b))			

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)	
	Johansson et al., "Identification of a Neural Stem Cell in the Adult Mammalian Central Nervous System," <i>Cell</i> 96:25-34 (1999).
	Juang et al., "Beneficial Influence of Glycemic Control Upon the Growth and Function of Transplanted Islets," <i>Diabetes</i> 43:1334-1339 (1994).
	Kanzler and Dear, "Hox11 Acts Cell Autonomously in Spleen Development and Its Absence Results in Altered Cell Fate of Mesenchymal Spleen Precursors," <i>Devel. Biol.</i> 234:231-243 (2001).
	Kaufman et al., "Patterns of Hemopoietic Reconstitution in Nonobese Diabetic Mice: Dichotomy of Allogeneic Resistance Versus Competitive Advantage of Disease-Resistant Marrow," <i>J. Immunol.</i> 158:2435-2442 (1997).
	Kawaski et al., "Prevention of Type 1 Diabetes: from the View Point of β Cell Damage," <i>Diabetes Res. Clin. Pract.</i> 66:S27-S32 (2004).
	Kieran et al., "The DNA Binding Subunit of NF- κ B is Identical to Factor KBF1 and Homologous to the <i>rel</i> Oncogene Product," <i>Cell</i> 62:1007-1018 (1990).
	Kopp and Ghosh, "Inhibition of NF- κ B by Sodium Salicylate and Aspirin," <i>Science</i> 265:956-959 (1994).
	Krause et al., "Multi-Organ, Multi-Lineage Engraftment by a Single Bone Marrow-Derived Stem Cell," <i>Cell</i> 105(3):369-377 (2001).
	Kuehnle and Goodell, "The Therapeutic Potential of Stem Cells from Adults," <i>BMJ</i> 325:372-376 (2002).
	Kwon et al., "Evidence for Involvement of the Proteasome Complex (26S) and NF κ B in IL-1 β -induced Nitric Oxide and Prostaglandin Production by Rat Islets and RINm5F Cells" <i>Diabetes</i> 47:583-591 (1998).
	Kwon et al., "Interleukin-1 β -Induced Nitric Oxide Synthase Expression by Rat Pancreatic β -Cells: Evidence for the Involvement of Nuclear Factor κ B in the Signaling Mechanism," <i>Endocrinology</i> 136:4790-4795 (1995).
	Lahav-Baratz et al., "Reversible Phosphorylation Controls the Activity of Cyclosome-Associated Cyclin-Ubiquitin Ligase," <i>Proc. Natl. Acad. Sci. USA</i> 92:9303-9307 (1995).
	Lahey et al., "BCG Immunotherapy Prevents Recurrence of Diabetes in Islet Grafts Transplanted into Spontaneously Diabetic NOD Mice," <i>Transplantation</i> 57:1213-1217 (1994).
	Lammert et al., "Induction of Pancreatic Differentiation by Signals from Blood Vessels," <i>Science</i> 294:564-567 (2001).
	Lanza et al., "Transplantation of Encapsulated Canine Islets into Spontaneously Diabetic BB/Wor Rats Without Immunosuppression," <i>Endocrinology</i> 131:637-642 (1992).

EXAMINER	DATE CONSIDERED
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.	

~~ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /MB/~~

SUBSTITUTE FORM PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Attorney Docket No.	00786/405004
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Serial No.	10/577,891
		Applicant	Denise Faustman
		Filing Date	December 14, 2006
		Group	1644
		IDS Filed	July 2, 2007
(37 C.F.R. § 1.98(b))			

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)	
	Lapchak et al., "Tumor Necrosis Factor Production is Deficient in Diabetes-Prone BB Rats and Can be Corrected by Complete Freund's Adjuvant: A Possible Immunoregulatory Role of Tumor Necrosis Factor in the Prevention of Diabetes," <i>Clin. Immunol. Immunopathol.</i> 65:129-134 (1992).
	Lawrence et al., "Differential Hepatocyte Toxicity of Recombinant Apo2L/TRAIL Versions," <i>Nat. Med.</i> 7:383-385 (2001).
	Li and Faustman, "Use of Donor β_2 -Microglobulin-Deficient Transgenic Mouse Liver Cells for Isografts, Allografts, and Xenografts," <i>Transplantation</i> 55:940-946 (1993).
	Li et al., "Abnormal Class I Assembly and Peptide Presentation in the Nonobese Diabetic Mouse," <i>Proc. Natl. Acad. Sci. USA</i> 91:11128-11132 (1994).
	Li et al., "Reduced Expression of Peptide-Loaded HLA Class I Molecules on Multiple Sclerosis Lymphocytes," <i>Ann. Neurol.</i> 38:147-154 (1995).
	Ljunggren et al., "MHC Class I Expression and CD8 ⁺ T Cell Development in TAP1/ β_2 -Microglobulin Double Mutant Mice," <i>Int. Immunol.</i> 7:975-984 (1995).
	Macchi et al., "Impaired Apoptosis in Mitogen-Stimulated Lymphocytes of Patients with Multiple Sclerosis," <i>NeuroReport</i> 10:399-402 (1999).
	Markiewicz et al., "Long-Term T Cell Memory Requires the Surface Expression of Self-Peptide/Major Histocompatibility Complex Molecules," <i>Proc. Natl. Sci. USA</i> 95:3065-3070 (1998).
	Markmann et al., "Indefinite Survival of MHC Class I-Deficient Murine Pancreatic Islet Allografts," <i>Transplantation</i> 54:1085-1089 (1992).
	Marriott BJ, "TNF- α Antagonists: Monoclonal Antibodies, Soluble Receptors, Thalidomide and Other Novel Approaches," <i>Expert Opin. Investig. Drugs</i> 6:1105-1108 (1997).
	Matsumoto et al., "Liver Organogenesis Promoted by Endothelial Cells Prior to Vascular Function," <i>Science</i> 294:559-563 (2001).
	Mayer-Proschel et al., "Isolation of Lineage-Restricted Neuronal Precursors from Multipotent Neuroepithelial Stem Cells," <i>Neuron</i> 19:773-785 (1997).
	McInerney et al., "Prevention of Insulinitis and Diabetes Onset by Treatment with Complete Freund's Adjuvant in NOD Mice," <i>Diabetes</i> 40:715-725 (1991).
	McKay et al., "Mammalian Deconstruction for Stem Cell Reconstruction," <i>Nat. Med.</i> 6:747-748 (2000).
	Mercurio et al., "p105 and p98 Precursor Proteins Play an Active Role in NF- κ B-Mediated Signal Transduction," <i>Genes Dev.</i> 7:705-718 (1993).
	Mestas et al., "Of Mice and Not Men: Differences between Mouse and Human Immunology," <i>J. Immunol.</i> 172:2731-2738 (2004).

EXAMINER	DATE CONSIDERED
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /MB/

SUBSTITUTE FORM PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Attorney Docket No.	00786/405004
		Serial No.	10/577,891
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Applicant	Denise Faustman
		Filing Date	December 14, 2006
		Group	1644
(37 C.F.R. § 1.98(b))		IDS Filed	July 2, 2007

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)	
	Mezey et al., "Turning Blood into Brain: Cells Bearing Neuronal Antigens Generated <i>In Vivo</i> from Bone Marrow," <i>Science</i> 290:1779-1782 (2000).
	Miller et al., "Both the L γ t-2+ and L3T4+ T Cell Subsets are Required for the Transfer of Diabetes in Nonobese Diabetic Mice," <i>J. Immunol.</i> 140:52-58 (1988).
	Mittleman et al., "A Phase I Pharmacokinetic Study of Recombinant Human Necrosis Factor Administered by a 5 -Day Continuous Infusion," <i>Invest. New Drugs</i> , 10:183-190 (1992).
	Miyazaki et al., "Predominance of T Lymphocytes in Pancreatic Islets and Spleen of Pre-Diabetic Non-Obese (NOD) Mice: A Longitudinal Study," <i>Clin. Exp. Immunol.</i> 60: 622-630 (1985).
	Morrison, "Stem Cell Potential: Can Anything Make Anything?" <i>Curr. Biol.</i> 11:R7-R9 (2001).
	Nomikos et al., "Combined Treatment with Nicotinamide and Desferrioxamine Prevents Islet Allograft Destruction in NOD Mice," <i>Diabetes</i> 35:1302-1304 (1986).
	Offield et al., "PDX-1 Is Required for Pancreatic Outgrowth and Differentiation of the Rostral Duodenum," <i>Development</i> 122:983-995 (1996).
	Ono et al., "IDDM in BB Rats. Enhanced MHC Class I Heavy-Chain Gene Expression in Pancreatic Islets," <i>Diabetes</i> 37:1411-1418 (1988).
	Osorio et al., "Beta-2 Microglobulin Gene Disruption Prolongs Murine Islet Allograft Survival in NOD Mice," <i>Transplant. Proc.</i> 26:752 (1994).
	Palombella et al., "The Ubiquitin-Proteasome Pathway is Required for Processing the NF- κ B1 Precursor Protein and the Activation of NF- κ B," <i>Cell</i> 78:773-785 (1994).
	Pestano et al., "Inactivation of Misselected CD8 T Cells by CD8 Gene Methylation and Cell Death," <i>Science</i> 284: 1187-1191 (1999).
	Petersen et al., "Bone Marrow as a Potential Source of Hepatic Oval Cells," <i>Science</i> 284:1168-1170 (1999).
	Pontesilli et al., "Circulating Lymphocyte Populations and Autoantibodies in Non-Obese Diabetic (NOD) Mice: A Longitudinal Study," <i>Clin. Exp. Immunol.</i> 70:84-93 (1987).
	Qin et al., "Complete Freund's Adjuvant-Induced T Cells Prevent the Development and Adoptive Transfer of Diabetes in Nonobese Diabetic Mice," <i>J. Immunol.</i> 150:2072-2080 (1993).
	Rabinovitch et al., "TNF- α Down-Regulates Type 1 Cytokines and Prolongs Survival of Syngeneic Islet Grafts in Nonobese Diabetic Mice," <i>J. Immunol.</i> 159:6298-6303 (1997).
	Rabinovitch et al., "Tumor Necrosis Factor Mediates the Protective Effect of Freund's Adjuvant Against Autoimmune Diabetes in BB Rats," <i>J. Autoimmunity</i> 8:357-366 (1995).

EXAMINER	DATE CONSIDERED
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /MB/

SUBSTITUTE FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (MODIFIED) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 C.F.R. § 1.98(b))	Attorney Docket No.	00786/405004
	Serial No.	10/577,891
	Applicant	Denise Faustman
	Filing Date	December 14, 2006
	Group	1644
	IDS Filed	July 2, 2007

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)	
	Ramiya et al., "Reversal of Insulin-Dependent Diabetes Using Islets Generated <i>In Vitro</i> from Pancreatic Stem Cells," <i>Nat. Med.</i> 6:278-282 (2000).
	Rietze et al., "Purification of a Pluripotent Neural Stem Cell from the Adult Mouse Brain," <i>Nature</i> 412:736-739 (2001).
	Roberts et al., " <i>Hox11</i> Controls the Genesis of the Spleen," <i>Nature</i> 368:747-749 (1994).
	Robertson et al., "Preservation of Insulin mRNA Levels and Insulin Secretion in HIT Cells by Avoidance of Chronic Exposure to High Glucose Concentrations," <i>J. Clin. Invest.</i> 90:320-325 (1992).
	Rosenthal, "Prometheus's Vulture and the Stem-Cell Promise," <i>N. Engl. J. Med.</i> 349:267-274 (2003).
	Ryu et al., "Reversal of Established Autoimmune Diabetes by Restoration of Endogenous β Cell Function," <i>J. Clin. Invest.</i> 108:63-72 (2001).
	Sadelan et al., "Prevention of Type I Diabetes in NOD Mice by Adjuvant Immunotherapy," <i>Diabetes</i> 39:583-589 (1990).
	Sarin et al., "Cytotoxic Effect of TNF and Lymphotoxin on T Lymphoblasts," <i>J. Immunology</i> 151:3716-3718 (1995).
	Satoh et al., "Inhibition of Type I Diabetes in BB Rats with Recombinant Human Tumor Necrosis Factor-Alpha," <i>J. Immunol.</i> 145:1395-1399 (1990).
	Satoh et al., "Recombinant Human Tumor Necrosis Factor α Suppresses Autoimmune Diabetes in Nonobese Diabetic Mice," <i>J. Clin. Invest.</i> 84:1345-1348 (1989).
	Schatz et al., "Defective Inducer T-Cell Function Before the Onset of Insulin-Dependent Diabetes Mellitus," <i>J. Autoimmun.</i> 4:125-136 (1991).
	Schmidt et al., "Interspecies Exchange of β_2 -Microglobulin and Associated MHC and Differentiation Antigens," <i>Immunogenetics</i> 13:483-491 (1981).
	Sears et al., "NF- κ B p105 Processing Via the Ubiquitin-Proteasome Pathway," <i>J. Biol. Chem.</i> 273:1409-1419 (1998).
	Serrano et al., "Non-HLA Associations with Autoimmune Diseases," <i>Autoimmun. Rev.</i> 5:209-214 (2006).
	Serup, "Panning for Pancreatic Stem Cells," <i>Nat. Genet.</i> 25:134-135 (2000).
	Serup et al., "Islet and Stem Cell Transplantation for Treating Diabetes," <i>BMJ</i> 322:29-32 (2001).

EXAMINER	DATE CONSIDERED
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.	

~~ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH.~~ /MB/

SUBSTITUTE FORM PTO-1449 (MODIFIED) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 C.F.R. § 1.98(b))	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Attorney Docket No.	00786/405004
		Serial No.	10/577,891
		Applicant	Denise Faustman
		Filing Date	December 14, 2006
		Group	1644
		IDS Filed	July 2, 2007

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)	
	Shehadeh et al., "Effect of Adjuvant Therapy on Development of Diabetes in Mouse and Man," <i>Lancet</i> 343:706-707 (1994).
	Shihabuddin et al., "Adult Spinal Cord Stem Cells Generate Neurons After Transplantation in the Adult Dentate Gyrus," <i>J. Neurosci.</i> 20:8727-8735 (2000).
	Slack, "Stem Cells in Epithelial Tissues," <i>Science</i> 287:1431-1433 (2000).
	Song et al., "Tumor Necrosis Factor-Related Apoptosis-Inducing Ligand (TRAIL) Is an Inhibitor of Autoimmune Inflammation and Cell Cycle Progression," <i>J. Exp. Med.</i> 191:1095-1103 (2000).
	Speiser et al., "Loss of ATP-Dependent Proteolysis with Maturation of Reticulocytes and Erythrocytes," <i>J. Biol. Chem.</i> 257:14122-14127 (1982).
	Sreenan et al., "Increased β -Cell Proliferation and Reduced Mass Before Diabetes Onset in the Nonobese Diabetic Mouse," <i>Diabetes</i> 48:989-996 (1999).
	Stephens et al., "Protection of NIT-1 Pancreatic β -Cells from Immune Attack by Inhibition of NF- κ B," <i>J. Autoimmun.</i> 10:293-298 (1997).
	Storms et al., "Hoechst Dye Efflux Reveals a Novel CD7+CD34- Lymphoid Progenitor in Human Umbilical Cord Blood," <i>Blood</i> 96:2125-2133 (2000).
	Szdzoray et al., "Programmed Cell Death in Rheumatoid Arthritis Peripheral Blood T-Cell Subpopulations Determined by Laser Scanning Cytometry," <i>Lab. Invest.</i> 83:1839-1848 (2003).
	Tartaglia et al., "The Two Different Receptors for Tumor Necrosis Factor Mediate Distinct Cellular Responses," <i>Proc. Natl. Acad. Sci. USA</i> 88:9292-9296 (1991).
	Terada et al., "Bone Marrow Cells Adopt the Phenotype of Other Cells by Spontaneous Cell Fusion," <i>Nature</i> 416:542-545 (2002).
	Toma et al., "Isolation of Multipotent Adult Stem Cells from the Dermis of Mammalian Skin," <i>Nat. Cell. Bio.</i> 3:778-784 (2001).
	Townsend et al., "Dominant-Negative Cyclin-Selective Ubiquitin Carrier Protein E2-C/UbcH10 Blocks Cells in Metaphase," <i>Proc. Natl. Acad. Sci. USA</i> 94:2362-2367 (1997).
	Trowsdale et al., "Sequences Encoded in the Class II Region of the MHC Related to the 'ABC' Superfamily of Transporters," <i>Nature</i> 348:741-744 (1990).
	Ulaeto et al., "A T-Cell Dormant State in the Autoimmune Process of Nonobese Diabetic Mice Treated with Complete Freund's Adjuvant," <i>Proc. Natl. Acad. Sci. USA</i> 89:3927-3931 (1992).
	Van der Kooy et al., "Why Stem Cells?" <i>Science</i> 287:1439-1441 (2000).

EXAMINER

DATE CONSIDERED

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.

~~ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH.~~ /MB/

SUBSTITUTE FORM PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Attorney Docket No.	00786/405004
		Serial No.	10/577,891
		Applicant	Denise Faustman
		Filing Date	December 14, 2006
		Group	1644
		IDS Filed	July 2, 2007
<p style="text-align: center;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)</p> <p>(37 C.F.R. § 1.98(b))</p>			

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)	
	Van Nocker et al., "The Multiubiquitin-Chain-Binding Protein Mub1 is a Component of the 26S Proteasome in <i>Saccharomyces cerevisiae</i> and Plays a Nonessential, Substrate-Specific Role in Protein Turnover," <i>Mol. Cell. Biol.</i> 16:6020-6028 (1996).
	Van Noort et al., "Cell Biology of Autoimmune Diseases," <i>Int. Rev. Cytol.</i> 178:127-204 (1998).
	Vidal-Puig and Faustman, "Tolerance to Peripheral Tissue Is Transient and Maintained by Tissue-Specific Class I Expression," <i>Transplant. Proc.</i> 26:3314-3316 (1994).
	Vogel et al., "Studies Cast Doubt on Plasticity of Adult Cells," <i>Science</i> 295:1989-1991 (2002).
	Von Herrath et al., "In Vivo Treatment with a MHC Class I-Restricted Blocking Peptide Can Prevent Virus-Induced Autoimmune Diabetes," <i>J. Immunol.</i> 161:5087-5096 (1998).
	Wang et al., "Prevention of Recurrence of IDDM in Islet-Transplanted Diabetic NOD Mice by Adjuvant Immunotherapy," <i>Diabetes</i> 41:114-117 (1992).
	Watt et al., "Out of Eden: Stem Cells and Their Niches," <i>Science</i> 287:1427-1430 (2000).
	Waxman et al., "Demonstration of Two Distinct High Molecular Weight Proteases in Rabbit Reticulocytes, One of which Degrades Ubiquitin Conjugates," <i>J. Biol. Chem.</i> 262:2451-2457 (1987).
	Weissman, "Translating Stem and Progenitor Cell Biology to the Clinic: Barriers and Opportunities," <i>Science</i> 287:1442-1446 (2000).
	Weringer et al., "Identification of T Cell Subsets and Class I and Class II Antigen Expression in Islet Grafts and Pancreatic Islets of Diabetic BioBreeding/Worcester Rats," <i>Am. J. Pathol.</i> 132:292-303 (1988).
	Wicker et al., "Transfer of Autoimmune Diabetes Mellitus with Splenocytes from Nonobese Diabetic (NOD) Mice," <i>Diabetes</i> 35:855-860 (1986).
	Willis et al., "Type 1 Diabetes in Insulin-Treated Adult-Onset Diabetic Subjects," <i>Diabetes Res. Clin. Pract.</i> 42:49-53 (1998).
	Winston, "Embryonic Stem Cell Research: The Case For ...," <i>Nat. Med.</i> 7:396-397 (2001).
	Wong et al., "Identification of an MHC Class I-Restricted Autoantigen in Type I Diabetes by Screening an Organ-Specific cDNA Library," <i>Nat. Med.</i> 5:1026-1031 (1999).
	Yan et al., "Reduced Expression of <i>Tap1</i> and <i>Lmp2</i> Antigen-Processing Genes in the Nonobese Diabetic (NOD) Mouse Due to a Mutation in Their Shared Bidirectional Promoter," <i>J. Immunol.</i> 159:3068-3080 (1997).

EXAMINER	DATE CONSIDERED
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.	

~~ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH.~~ /MB/

SUBSTITUTE FORM PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Attorney Docket No.	00786/405004
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Serial No.	10/577,891
		Applicant	Denise Faustman
		Filing Date	December 14, 2006
		Group	1644
(37 C.F.R. § 1.98(b))		IDS Filed	July 2, 2007

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)	
	Ying et al., "Changing Potency by Spontaneous Fusion," <i>Nature</i> 416:545-548 (2002).
	Zöller et al., "Apoptosis Resistance in Peripheral Blood Lymphocytes of Alopecia Areata Patients," <i>J. Autoimmunity</i> 23:241-256 (2004).
	Zulewski et al., "Multipotential Nestin-Positive Stem Cells Isolated from Adult Pancreatic Islets Differentiate Ex Vivo Into Pancreatic Endocrine, Exocrine, and Hepatic Phenotypes," <i>Diabetes</i> 50:521-533 (2001).

EXAMINER /Michail Belyavskiy/ (06/15/2009)	DATE CONSIDERED
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.	

~~ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH.~~ /MB/